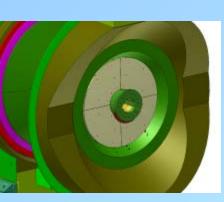
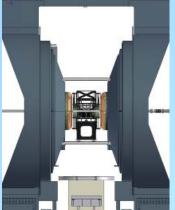
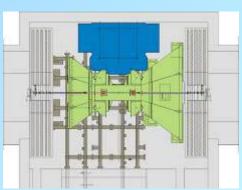




PHENIX WEEKLY PLANNING









4/29/2010 Don Lynch PH^{*}ENIX

Ongoing Tasks for Run 10 Task

Install rack components in RPC3 N racks	in progress	6/1/2010
Attach cables to RPC3 N racks and to Detector $\frac{1}{2}$ octants	in progress	6/1/2010
Commissioning Tests (HV, Mixed gas and Freon only)	5/5/2010	6/11/2010
Send mass flowmeters out for recalibration (DC/PC, MuID, TOF.W)	In Progress	6/30/2010
AH Crane 110 switch for lockout	In Progress	6/30/09

Start Date

End Date

PHENIX Startup Checklist Status

TIEIII	Responsibility	Status
Item 12: Dumb Waiter	Lynch	Done??

Ttom



This Week:

- No Scheduled maint
- · Run 10 tech support
- · Future upgrade support as necessary
- · Complete VTX support structure design & analysis
- VTX Big Wheel re-design (brazements)
- · Complete RPC absorber design
- 2010 summer shutdown prep continues:

VTX & BP assembly/installation parts & fixtures procurement & fabrication

RPC3 S assembly/installation fixtures parts & fixtures procurement & fabrication

Evaluate AH ramp ground water problems with PE and CAD

Next Week



VTX Big Wheel Re-design

Resolve BP legal issues

Maintenance access Wed 5/5/2010:

- · Finish RPC3N HV, LV, signal cables and cable management
- Evaluate RPC3S piping with CAD tech(s)
- Other tasks?

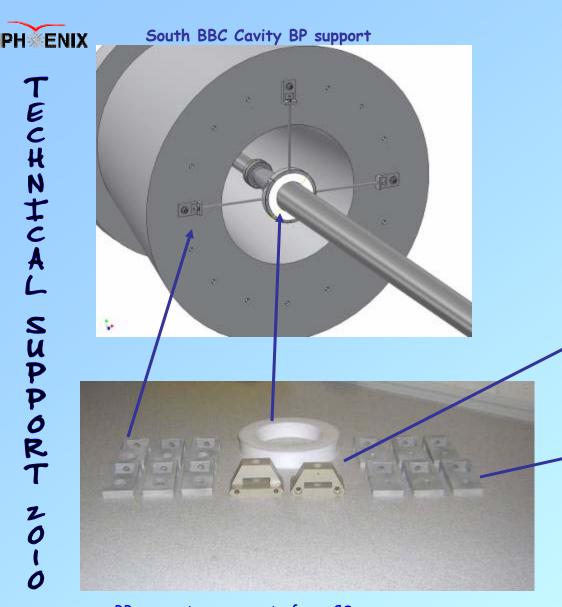
Prepare for VTX, RPC35, BP & absorber installation reviews

Prep for 2010 shutdown

Future upgrades support

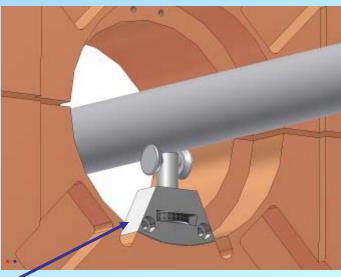
PH ENIX
TWU#ZHU&L
NUPPORT
20-0

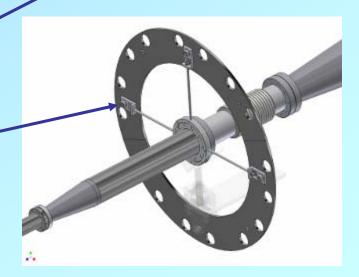
2010 Tasks	Start Date	End Date
Run 10	In progress	6/21
VTX Installation Plan (Final)	In progress	5/31
RPC3S Installation Plan (Final)	In progress	5/31
Design support structure, alignment scheme for VTX	In progress	3/31
Specify and procure electronics racks and support equipment for VTX	In progress	5/31
Fabricate beam pipe supports	In progress	5/1
Beampipe NEG coating (CERN)	4/15?	5/31?
Fabricate/procure parts for RPC3 S installation	In progress	5/1
Fabricate/procure parts for VTX installation	In progress	6/1
End of run 10	6/23	6/23
End of Run Party	~6/11	~6/11
Prep IR for shutdown	6/1	7/1
Complete unfinished business for MuTrgr FEE & RPC3 North	6/23	8/1
Install Beam pipe	7/1	9/1
Install VTX	8/1	11/1
Install RPC3 South	6/23	11/1
2010 Shutdown Other Tasks	6/23	12/1





CM central BP supports (2 req'd)





North MPC Cavity BP support

4/29/2010





4/29/2010



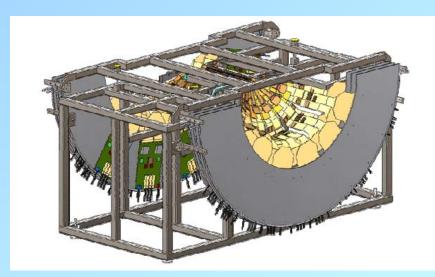
VTX Assembly Fixture (3 others are similar)

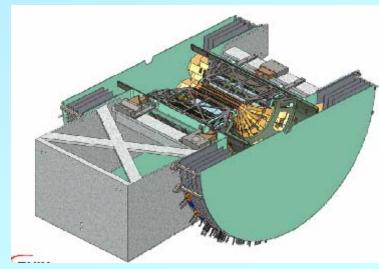




VTX Support Structure Base Assembly Design In Progress Fixtures being re-designed at PHENIX

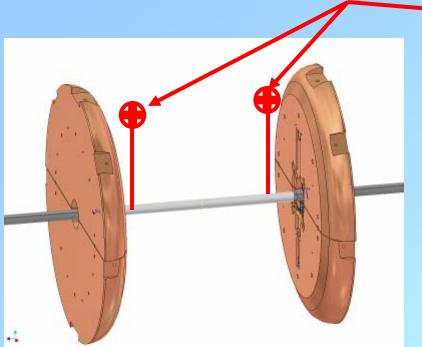






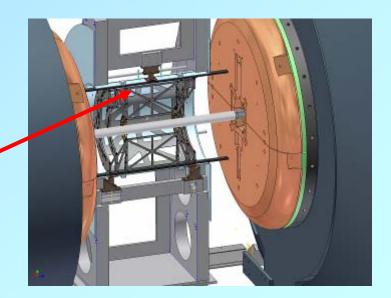
4/29/2010





Survey Targets and fixtures TBD Must be able to align BP to req'd radial and angular accuracy without VTX and with VTX in clamshells open configuration.

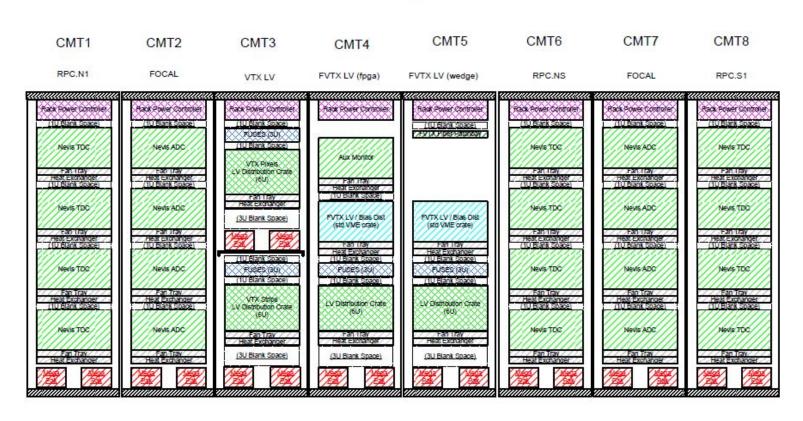
½ of VTX detector support structure





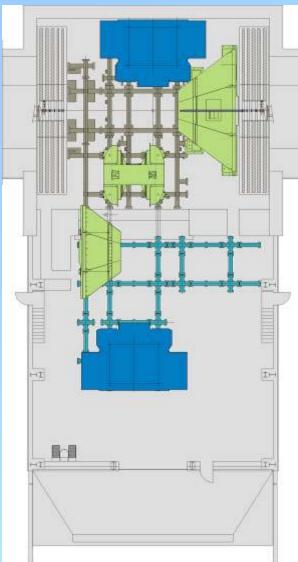
Bridge Electronics Concept

PHENIX Bridge Racks



5. Boose 3/26/2010





Major PHENIX Components during shutdown when Old beampipe is out and new beampipe is ready to go in.

Approximately last week in July.

This is the optimal point for DC, MuTr Station 1, and/or RPC absorber work. Potential work in these areas is still under review by PM.

Note: Absorber installation to be done during this period. MuTr station 1 work shall be limited to work in situ (i.e. station 1 will not be removed). Similarly DC/PC1 work will be limited to work which can be accomplished with the DC in situ, although, if requested, it may be possible to translate the DC on its mounting rails to allow limited access to DC/PC1 electronics.

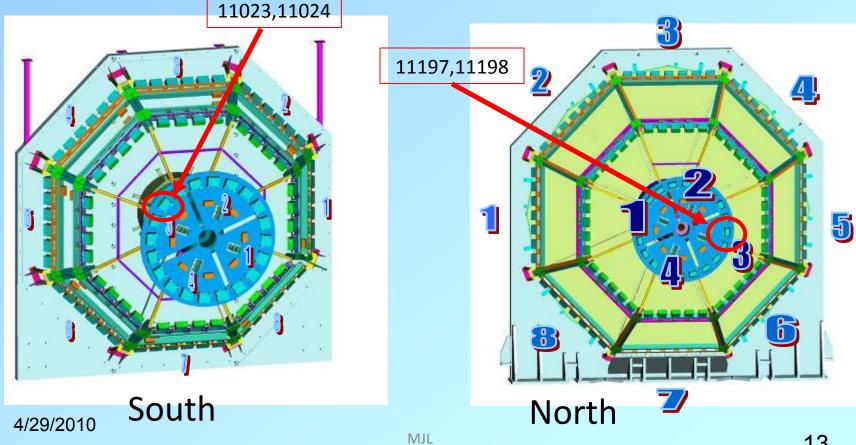


PH**※**ENIX

Shutdown 2010 - muTr FEE repairs

FEE - one FEM in each station-1

- 11023, 11024 south S1 Q3 C2 (top); may be glink/clink RX module
- 11197, 11198 north S1 Q3 C4 (bottom east); probably controller

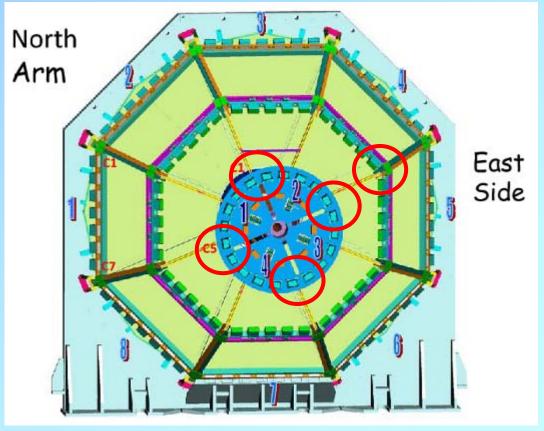




Shutdown 2010 - Calibration cable termination repairs

Calibration cable connections - fix terminations

- north 51 O2 G1; O3,4 G3; O6 G3; O8 G2 all infinite termination now
- north S1 O3,4 G1,2 57 ohms (rest all 105 ohms)
- north S2 O5 G1 $\frac{1}{2}$ gain of all others (probably can't reach)





- disabled but cannot be reached (5271-6, 5311-0, 5331-2, N222-6, N341-0)
- 5381-5 high current also can't be reached?

Nothing can be done w/o scaffolding

Apr 1	1 09:00:	31		SOUT	H MUON T	RACKER H	V SUMMAR	.Υ			
S111	S112	S113	S121	S122	S123	S131	S132	S133	S141	S142	S143
1885.5	1885.1	1885.0	1884.4	1885.4	1934.8	1936.0	1934.4	1885.4	1885.3	1885.3	1936.2
									-:		
0.00	-0.02	0.01	0.03	0.01	0.11	-0.03	0.04	0.00	-0.01	0.03	0.04
-0.02	0.01	0.02	0.03	-0.01	0.08	-0.03	0.16	0.00	-0.01	0.03	0.01
0.02	0.05	0.01	0.02	-0.04	0.10	0.04	0.00	0.02	-0.02	0.02	0.00
0.01	0.01	0.00	0.02	0.01	0.09	0.00	0.01	-0.01	-0.02	0.06	-0.06
-0.01	-0.02	0.03	0.04	0.00	0.09	-0.01	0.00	-0.06	0.01	-0.01	-0.01
0.00	0.00	0.00	0.09	-0.06	0.08	0.00	0.05	0.00	0.00	0.00	-0.06
S151	S152	S153	S161	S162	S163	S171	S172	S173	S181	S182	S183
1886.9	1886.5	1885.1	1940.3	1935.6	1933.9	1885.1	1885.3	1936.0	1885.1	1885.0	1896.1
0.00	-0.01	0.01	0.08	0.03	0.00	-0.04	0.00	0.01	0.02	0.00	0.06
0.01	0.05	-0.01	0.15	0.10	0.02	-0.04	0.01	0.00	0.02	0.01	0.01
0.00	-0.01	0.00	0.08	0.10	0.00	0.01	0.00	0.00	0.03	0.01	-0.01
0.01	0.00	0.00	0.08	0.08	0.06	0.02	-0.02	0.00	-0.02	0.03	0.04
0.03	-0.03	-0.02	0.10	0.14	0.00	-0.01	0.01	0.00	0.02	0.02	0.00
0.09	-0.06	0.00	0.12	0.05	0.02	0.00	0.00	0.04	0.04	0.04	0.00
S211	S213	S222	S231	S233	S242	S251	S253	S2 62	S271	S273	S282
1959.2	1909.8	1911.6	1959.9	1960.5	1960.3	1910.2	1909.8	1961.0	1909.8	1911.2	1911.5
-0.03	-0.47	0.03	0.12	0.00	0.04	-0.03	-0.04	0.00	0.03	0.01	0.02
0.00 0.01	0.00										
	0.14	0.00	0.10	-0.01	0.05	-0.02	-0.01	0.03	0.02	0.03	0.07
	-0.14	0.02	0.05	0.04	0.07	-0.01	0.01	-0.01	0.03	0.00	0.00
0.35	-0.11	0.02 0.00	0.05 0.06	0.04 0.04	0.07 0.06	-0.01 0.02	0.01 0.00	-0.01 -0.04	0.03 0.02	0.00 0.02	0.00 -0.01
0.35 0.01	-0.11 -0.09	0.02 0.00 -0.01	0.05 0.06 0.03	0.04 0.04 0.08	0.07 0.06 0.01	-0.01 0.02 0.01	0.01 0.00 -0.02	-0.01 -0.04 0.02	0.03 0.02 -0.01	0.00 0.02 -0.06	0.00 -0.01 0.00
0.35	-0.11	0.02 0.00	0.05 0.06	0.04 0.04	0.07 0.06	-0.01 0.02	0.01 0.00	-0.01 -0.04	0.03 0.02	0.00 0.02	0.00 -0.01
0.35 0.01 0.08	-0.11 -0.09 -0.06	0.02 0.00 -0.01 -0.02	0.05 0.06 0.03 0.04	0.04 0.04 0.08 0.06	0.07 0.06 0.01 0.00	-0.01 0.02 0.01 0.01	0.01 0.00 -0.02 0.01	-0.01 -0.04 0.02 0.01	0.03 0.02 -0.01 0.03	0.00 0.02 -0.06 0.02	0.00 -0.01 0.00 0.00
0.35 0.01 0.08 0.01	-0.11 -0.09 -0.06 -0.09	0.02 0.00 -0.01 -0.02 0.00	0.05 0.06 0.03 0.04 0.02	0.04 0.04 0.08 0.06 0.03	0.07 0.06 0.01 0.00 0.00	-0.01 0.02 0.01 0.01 0.00	0.01 0.00 -0.02 0.01 0.00	-0.01 -0.04 0.02 0.01 0.01	0.03 0.02 -0.01 0.03 0.00	0.00 0.02 -0.06 0.02 -0.02	0.00 -0.01 0.00 0.00 0.02
0.35 0.01 0.08 0.01 0.02	-0.11 -0.09 -0.06 -0.09 -0.03	0.02 0.00 -0.01 -0.02 0.00 -0.05	0.05 0.06 0.03 0.04 0.02 0.06	0.04 0.04 0.08 0.06 0.03 0.01	0.07 0.06 0.01 0.00 0.00 0.02	-0.01 0.02 0.01 0.01 0.00 -0.02	0.01 0.00 -0.02 0.01 0.00 0.00	-0.01 -0.04 0.02 0.01 0.01	0.03 0.02 -0.01 0.03 0.00	0.00 0.02 -0.06 0.02 -0.02	0.00 -0.01 0.00 0.00 0.02
0.35 0.01 0.08 0.01 0.02 8311 1975.6	-0.11 -0.09 -0.06 -0.09 -0.03 \$321 1954.3	0.02 0.00 -0.01 -0.02 0.00 -0.05	0.05 0.06 0.03 0.04 0.02 0.06 8341	0.04 0.04 0.08 0.06 0.03 0.01 8351 1934.0	0.07 0.06 0.01 0.00 0.00 0.02 8361 1935.2	-0.01 0.02 0.01 0.01 0.00 -0.02 8371 1936.6	0.01 0.00 -0.02 0.01 0.00 0.00 \$381 1935.3	-0.01 -0.04 0.02 0.01 0.01	0.03 0.02 -0.01 0.03 0.00	0.00 0.02 -0.06 0.02 -0.02	0.00 -0.01 0.00 0.00 0.02
0.35 0.01 0.08 0.01 0.02 \$311 1975.6	-0.11 -0.09 -0.06 -0.09 -0.03 S321 1954.3 0.01	0.02 0.00 -0.01 -0.02 0.00 -0.05 8331 1967.0 0.01	0.05 0.06 0.03 0.04 0.02 0.06 8341 1934.0	0.04 0.04 0.08 0.06 0.03 0.01 8351 1934.0	0.07 0.06 0.01 0.00 0.00 0.02 8361 1935.2 0.02	-0.01 0.02 0.01 0.00 -0.02 8371 1936.6 0.07	0.01 0.00 -0.02 0.01 0.00 0.00 5381 1935.3 0.05	-0.01 -0.04 0.02 0.01 0.01	0.03 0.02 -0.01 0.03 0.00	0.00 0.02 -0.06 0.02 -0.02	0.00 -0.01 0.00 0.00 0.02
0.35 0.01 0.08 0.01 0.02 8311 1975.6	-0.11 -0.09 -0.06 -0.09 -0.03 S321 1954.3 0.01 0.12	0.02 0.00 -0.01 -0.02 0.00 -0.05 8331 1967.0 0.01 -0.02	0.05 0.06 0.03 0.04 0.02 0.06 S341 1934.0 0.03 0.11	0.04 0.04 0.08 0.06 0.03 0.01 8351 1934.0 -0.01	0.07 0.06 0.01 0.00 0.00 0.02 8361 1935.2 0.02	-0.01 0.02 0.01 0.00 -0.02 8371 1936.6 0.07 0.15	0.01 0.00 -0.02 0.01 0.00 0.00 S381 1935.3 0.05	-0.01 -0.04 0.02 0.01 0.01	0.03 0.02 -0.01 0.03 0.00	0.00 0.02 -0.06 0.02 -0.02	0.00 -0.01 0.00 0.00 0.02
0.35 0.01 0.08 0.01 0.02 8311 1975.6 0.02 0.01	-0.11 -0.09 -0.06 -0.09 -0.03 \$321 1954.3 0.01 0.12 0.07	0.02 0.00 -0.01 -0.02 0.00 -0.05 \$331 1967.0 0.01 -0.02	0.05 0.06 0.03 0.04 0.02 0.06 8341 1934.0 0.03 0.11 0.04	0.04 0.04 0.08 0.06 0.03 0.01 \$351 1934.0 -0.01 -0.06 0.00	0.07 0.06 0.01 0.00 0.02 8361 1935.2 0.02 0.02	-0.01 0.02 0.01 0.00 -0.02 \$371 1936.6 0.07 0.15 0.07	0.01 0.00 -0.02 0.01 0.00 0.00 \$381 1935.3 0.05 0.00	-0.01 -0.04 0.02 0.01 0.01	0.03 0.02 -0.01 0.03 0.00	0.00 0.02 -0.06 0.02 -0.02	0.00 -0.01 0.00 0.00 0.02
0.35 0.01 0.08 0.01 0.02 \$311 1975.6 0.02 0.01 0.01	-0.11 -0.09 -0.06 -0.09 -0.03 8321 1954.3 0.01 0.12 0.07 0.03	0.02 0.00 -0.01 -0.02 0.00 -0.05 8331 1967.0 0.01 -0.02 	0.05 0.06 0.03 0.04 0.02 0.06 8341 1934.0 0.03 0.11 0.04 0.06	0.04 0.04 0.08 0.06 0.03 0.01 8351 1934.0 -0.01 -0.06 0.00	0.07 0.06 0.01 0.00 0.02 8361 1935.2 0.02 0.02 0.00	-0.01 0.02 0.01 0.00 -0.02 S371 1936.6 0.07 0.15 0.07 0.11	0.01 0.00 -0.02 0.01 0.00 0.00 5381 1935.3 0.05 0.04 0.05	-0.01 -0.04 0.02 0.01 0.01	0.03 0.02 -0.01 0.03 0.00	0.00 0.02 -0.06 0.02 -0.02	0.00 -0.01 0.00 0.00 0.02
0.35 0.01 0.08 0.01 0.02 \$311 1975.6 0.02 0.01 0.01 0.02	-0.11 -0.09 -0.06 -0.09 -0.03 8321 1954.3 0.01 0.12 0.07 0.03	0.02 0.00 -0.01 -0.02 0.00 -0.05 8331 1967.0 0.01 -0.02 0.00 -0.06	0.05 0.06 0.03 0.04 0.02 0.06 8341 1934.0 0.03 0.11 0.04 0.06 0.01	0.04 0.04 0.08 0.06 0.03 0.01 8351 1934.0 -0.01 -0.06 0.00 0.00	0.07 0.06 0.01 0.00 0.00 0.02 8361 1935.2 0.02 0.02 0.02	-0.01 0.02 0.01 0.00 -0.02 8371 1936.6 0.07 0.15 0.07 0.11 0.10	0.01 0.00 -0.02 0.01 0.00 0.00 8381 1935.3 0.05 0.04 0.05 0.06	-0.01 -0.04 0.02 0.01 0.01	0.03 0.02 -0.01 0.03 0.00	0.00 0.02 -0.06 0.02 -0.02	0.00 -0.01 0.00 0.00 0.02
0.35 0.01 0.08 0.01 0.02 8311 1975.6 0.02 0.01 0.01 0.02 0.09	-0.11 -0.09 -0.06 -0.09 -0.03 8321 1954.3 0.01 0.12 0.07 0.03 0.01 -0.03	0.02 0.00 -0.01 -0.02 0.00 -0.05 \$331 1967.0 0.01 -0.02 0.00 -0.06 0.08	0.05 0.06 0.03 0.04 0.02 0.06 S341 1934.0 0.03 0.11 0.04 0.05	0.04 0.04 0.08 0.06 0.03 0.01 8351 1934.0 -0.01 -0.06 0.00 0.00	0.07 0.06 0.01 0.00 0.02 8361 1935.2 0.02 0.02 0.00 -0.07 0.10 0.06	-0.01 0.02 0.01 0.00 -0.02 8371 1936.6 0.07 0.15 0.07 0.11 0.10 0.11	0.01 0.00 -0.02 0.01 0.00 0.00 S381 1935.3 0.05 0.04 0.04 0.05	-0.01 -0.04 0.02 0.01 0.01	0.03 0.02 -0.01 0.03 0.00	0.00 0.02 -0.06 0.02 -0.02	0.00 -0.01 0.00 0.00 0.02
0.35 0.01 0.08 0.01 0.02 \$311 1975.6 0.02 0.01 0.01 0.02	-0.11 -0.09 -0.06 -0.09 -0.03 8321 1954.3 0.01 0.12 0.07 0.03	0.02 0.00 -0.01 -0.02 0.00 -0.05 8331 1967.0 0.01 -0.02 0.00 -0.06	0.05 0.06 0.03 0.04 0.02 0.06 8341 1934.0 0.03 0.11 0.04 0.06 0.01	0.04 0.04 0.08 0.06 0.03 0.01 8351 1934.0 -0.01 -0.06 0.00 0.00	0.07 0.06 0.01 0.00 0.00 0.02 8361 1935.2 0.02 0.02 0.02	-0.01 0.02 0.01 0.00 -0.02 8371 1936.6 0.07 0.15 0.07 0.11 0.10	0.01 0.00 -0.02 0.01 0.00 0.00 8381 1935.3 0.05 0.04 0.05 0.06	-0.01 -0.04 0.02 0.01 0.01	0.03 0.02 -0.01 0.03 0.00	0.00 0.02 -0.06 0.02 -0.02	0.00 -0.01 0.00 0.00 0.02

Mar	8 08:13:	34		NORT	H MUON T	RACKER H	V SUMMAR	.Y			
N111	N112	N113	N121	N122	N123	N131	N132	N133	N141	N142	N143
1875.8	1875.2	1925.1	1876.1	1874.8	1876.2	1875.3	1894.9	1925.0	1875.2	1915.6	1926.4
0.53	0.49	0.55	0.53	0.53	0.53	0.50	0.54	0.57	0.51	0.57	0.58
0.53	0.54	0.57	0.58	0.55	0.51	0.51	0.57	0.56	0.54	0.58	0.58
0.56	0.51	0.59	0.55	0.55	0.54	0.55	0.55	0.56	0.50	0.57	0.60
0.56	0.51	0.58	0.53	0.52	0.49	0.47	0.56	0.54	0.54	0.52	0.53
0.48	0.54	0.53	0.52	0.58	0.53	0.52	0.52	0.53	0.50	0.57	0.56
0.54	0.49	0.53	0.53	0.49	0.50	0.50	0.53	0.59	0.48	0.52	0.51
0.54	0.45	0.55	0.33	0.75	0.50	0.30	0.33	0.33	0.70	0.32	0.31
N151	N152	N153	N161	N162	N163	N171	N172	N173	N181	N182	N183
1925.1	1925.3	1925.3	1884.4	1924.5	1926.4	1875.2	1875.3	1924.9	1874.0	1905.7	1926.1
0.55	0.58	0.55	0.50	0.56	0.58	0.50	0.50	0.53	1.13	0.56	0.55
0.60	0.60	0.54	0.54	0.58	0.55	0.53	0.50	0.54	1.12	0.55	0.54
0.56	0.53	0.53	0.59	0.78	0.54	0.51	0.48	0.55	1.16	0.51	0.58
0.52	0.60	0.62	0.51	0.47	0.54	0.53	0.51	0.54	1.12	0.56	0.54
0.53	0.50	0.56	0.52	0.52	0.54	0.53	0.47	0.55	1.09	0.51	0.55
0.50	0.48	0.51	0.54	0.53	0.55	0.54	0.48	0.54	1.09	0.50	0.52
N211	N213	N222	N231	N233	N242	N251	N253	N2 62	N271	N273	N282
N211 1949.8	N213 1950.6	N222 1900.3	N231 1939.9	N233 1951.1	N242 1899.8	N251 1950.4	N253 1939.2	N262 1950.5	N271 1900.4	N273 1950.3	N282 1901.2
1949.8	1950.6	1900.3	1939.9	1951.1	1899.8	1950.4	1939.2	1950.5	1900.4	1950.3	1901.2
1949.8 0.56	1950.6 0.54	1900.3 0.53	1939.9 0.57	1951.1 0.54	1899.8 0.49	1950.4 0.57	1939.2 0.52	1950.5 0.53	1900.4 0.49	1950.3 0.53	1901.2 0.51
1949.8 0.56 0.58	1950.6 0.54 0.63	1900.3 0.53 0.54	1939.9 0.57 0.59	1951.1 0.54 0.56	1899.8 0.49 0.58	1950.4 0.57 0.73	1939.2 0.52 0.62	1950.5 0.53 0.54	1900.4 0.49 0.61	1950.3 0.53 0.60	1901.2 0.51 0.56
1949.8 0.56 0.58 0.56 0.53 0.58	1950.6 0.54 0.63 0.58 0.53	1900.3 0.53 0.54 0.52 0.52 0.49	1939.9 0.57 0.59 0.58	1951.1 0.54 0.56 0.56 0.53 0.53	1899.8 0.49 0.58 0.55 0.51	1950.4 0.57 0.73 0.58	1939.2 0.52 0.62 0.51 0.49 0.43	1950.5 0.53 0.54 0.49 0.51 0.52	1900.4 0.49 0.61 0.50 0.51 0.52	1950.3 0.53 0.60 0.55 0.52 0.58	1901.2 0.51 0.56 0.52
1949.8 0.56 0.58 0.56 0.53	1950.6 0.54 0.63 0.58 0.53	1900.3 0.53 0.54 0.52 0.52	1939.9 0.57 0.59 0.58 0.55	1951.1 0.54 0.56 0.56 0.53	1899.8 0.49 0.58 0.55 0.51	1950.4 0.57 0.73 0.58 0.51	1939.2 0.52 0.62 0.51 0.49	1950.5 0.53 0.54 0.49 0.51	1900.4 0.49 0.61 0.50 0.51	1950.3 0.53 0.60 0.55 0.52	1901.2 0.51 0.56 0.52 0.49
1949.8 0.56 0.58 0.56 0.53 0.58 0.62 0.61	1950.6 0.54 0.63 0.58 0.53 0.53 0.57	1900.3 0.53 0.54 0.52 0.52 0.49 0.57	1939.9 0.57 0.59 0.58 0.55 0.55 0.60	1951.1 0.54 0.56 0.56 0.53 0.53 0.78 0.57	1899.8 0.49 0.58 0.55 0.51 0.51 0.51	1950.4 0.57 0.73 0.58 0.51 0.59 0.55	1939.2 0.52 0.62 0.51 0.49 0.43	1950.5 0.53 0.54 0.49 0.51 0.52	1900.4 0.49 0.61 0.50 0.51 0.52	1950.3 0.53 0.60 0.55 0.52 0.58	1901.2 0.51 0.56 0.52 0.49 0.52
1949.8 0.56 0.58 0.56 0.53 0.58	1950.6 0.54 0.63 0.58 0.53 0.53	1900.3 0.53 0.54 0.52 0.52 0.49 0.57	1939.9 0.57 0.59 0.58 0.55 0.55	1951.1 0.54 0.56 0.56 0.53 0.53	1899.8 0.49 0.58 0.55 0.51 0.51	1950.4 0.57 0.73 0.58 0.51 0.59	1939.2 0.52 0.62 0.51 0.49 0.43 0.51	1950.5 0.53 0.54 0.49 0.51 0.52 0.67	1900.4 0.49 0.61 0.50 0.51 0.52	1950.3 0.53 0.60 0.55 0.52 0.58 0.62	1901.2 0.51 0.56 0.52 0.49 0.52
1949.8 0.56 0.58 0.56 0.53 0.58 0.62 0.61 0.53	1950.6 0.54 0.63 0.58 0.53 0.53 0.57 0.52 0.52	1900.3 0.53 0.54 0.52 0.52 0.49 0.57 0.47	1939.9 0.57 0.59 0.58 0.55 0.55 0.60 0.59	1951.1 0.54 0.56 0.56 0.53 0.53 0.78 0.57 0.54	1899.8 0.49 0.58 0.55 0.51 0.51 0.51 0.54 0.50	1950.4 0.57 0.73 0.58 0.51 0.59 0.55 0.65	1939.2 0.52 0.62 0.51 0.49 0.43 0.51 0.55 0.47	1950.5 0.53 0.54 0.49 0.51 0.52 0.67	1900.4 0.49 0.61 0.50 0.51 0.52 0.53	1950.3 0.53 0.60 0.55 0.52 0.58 0.62 0.57	1901.2 0.51 0.56 0.52 0.49 0.52 0.55
1949.8 0.56 0.58 0.56 0.53 0.58 0.62 0.61 0.53	1950.6 0.54 0.63 0.58 0.53 0.53 0.57 0.52 0.52	1900.3 0.53 0.54 0.52 0.52 0.49 0.57 0.47	1939.9 0.57 0.59 0.58 0.55 0.60 0.59 0.52	1951.1 0.54 0.56 0.56 0.53 0.53 0.78 0.57 0.57	1899.8 0.49 0.58 0.55 0.51 0.51 0.51 0.54 0.50	1950.4 0.57 0.73 0.58 0.51 0.59 0.55 0.65 0.53	1939.2 0.52 0.62 0.51 0.49 0.43 0.51 0.55 0.47	1950.5 0.53 0.54 0.49 0.51 0.52 0.67	1900.4 0.49 0.61 0.50 0.51 0.52 0.53	1950.3 0.53 0.60 0.55 0.52 0.58 0.62 0.57	1901.2 0.51 0.56 0.52 0.49 0.52 0.55
1949.8 0.56 0.58 0.56 0.53 0.58 0.62 0.61 0.53 N311 1975.0	1950.6 0.54 0.63 0.58 0.53 0.57 0.57 0.52 0.52 N321 1924.4	1900.3 0.53 0.54 0.52 0.52 0.49 0.57 0.47 N331 1975.7	1939.9 0.57 0.59 0.58 0.55 0.60 0.59 0.52 N341 1926.0	1951.1 0.54 0.56 0.56 0.53 0.78 0.57 0.54 N351 1976.3	1899.8 0.49 0.58 0.55 0.51 0.51 0.54 0.50 N361 1975.4	1950.4 0.57 0.73 0.58 0.51 0.59 0.55 0.65 0.53 N371 1954.6	1939.2 0.52 0.62 0.51 0.49 0.43 0.51 0.55 0.47 N381 1925.3	1950.5 0.53 0.54 0.49 0.51 0.52 0.67	1900.4 0.49 0.61 0.50 0.51 0.52 0.53	1950.3 0.53 0.60 0.55 0.52 0.58 0.62 0.57	1901.2 0.51 0.56 0.52 0.49 0.52 0.55
1949.8 0.56 0.58 0.53 0.58 0.62 0.61 0.53 N311 1975.0 1.06	1950.6 0.54 0.63 0.58 0.53 0.57 0.52 0.52 N321 1924.4 0.84	1900.3 0.53 0.54 0.52 0.52 0.49 0.57 0.47 N331 1975.7 0.87	1939.9 0.57 0.59 0.58 0.55 0.60 0.59 0.52 N341 1926.0	1951.1 0.54 0.56 0.56 0.53 0.78 0.57 0.54 N351 1976.3 1.20	1899.8 0.49 0.58 0.55 0.51 0.51 0.54 0.50 N361 1975.4 0.64	1950.4 0.57 0.73 0.58 0.51 0.59 0.55 0.65 0.53 N371 1954.6 0.57	1939.2 0.52 0.62 0.51 0.49 0.43 0.51 0.55 0.47 N381 1925.3 0.57	1950.5 0.53 0.54 0.49 0.51 0.52 0.67	1900.4 0.49 0.61 0.50 0.51 0.52 0.53	1950.3 0.53 0.60 0.55 0.52 0.58 0.62 0.57	1901.2 0.51 0.56 0.52 0.49 0.52 0.55
1949.8 0.56 0.58 0.56 0.53 0.58 0.62 0.61 0.53 N311 1975.0 1.06 1.49	1950.6 0.54 0.63 0.58 0.53 0.57 0.52 0.52 N321 1924.4 0.84 0.85	1900.3 0.53 0.54 0.52 0.52 0.49 0.57 0.47 N331 1975.7 0.87 1.08	1939.9 0.57 0.59 0.55 0.55 0.60 0.59 0.52 N341 1926.0 0.59	1951.1 0.54 0.56 0.56 0.53 0.78 0.57 0.54 N351 1976.3 1.20 1.24	1899.8 0.49 0.58 0.51 0.51 0.51 0.54 0.50 N361 1975.4 0.64 0.61	1950.4 0.57 0.73 0.58 0.51 0.59 0.55 0.65 0.53 N371 1954.6 0.57 0.58	1939.2 0.52 0.62 0.51 0.49 0.43 0.51 0.55 0.47 N381 1925.3 0.57 0.64	1950.5 0.53 0.54 0.49 0.51 0.52 0.67	1900.4 0.49 0.61 0.50 0.51 0.52 0.53	1950.3 0.53 0.60 0.55 0.52 0.58 0.62 0.57	1901.2 0.51 0.56 0.52 0.49 0.52 0.55
1949.8 0.56 0.58 0.58 0.53 0.58 0.62 0.61 0.53 N311 1975.0 1.06 1.49 1.28	1950.6 0.54 0.63 0.58 0.53 0.53 0.57 0.52 N321 1924.4 0.84 0.85 0.91	1900.3 0.53 0.54 0.52 0.49 0.57 0.47 N331 1975.7 0.87 1.08 1.05	1939.9 0.57 0.59 0.55 0.55 0.60 0.59 0.52 N341 1926.0 0.59 0.70	1951.1 0.54 0.56 0.56 0.53 0.78 0.57 0.57 0.54 N351 1976.3 1.20 1.24 1.30	1899.8 0.49 0.58 0.55 0.51 0.51 0.54 0.50 N361 1975.4 0.64 0.63	1950.4 0.57 0.73 0.58 0.51 0.59 0.55 0.65 0.53 N371 1954.6 0.57 0.58 0.66	1939.2 0.52 0.62 0.51 0.49 0.43 0.51 0.55 0.47 N381 1925.3 0.57 0.64 0.60	1950.5 0.53 0.54 0.49 0.51 0.52 0.67	1900.4 0.49 0.61 0.50 0.51 0.52 0.53	1950.3 0.53 0.60 0.55 0.52 0.58 0.62 0.57	1901.2 0.51 0.56 0.52 0.49 0.52 0.55
1949.8 0.56 0.58 0.56 0.53 0.62 0.61 0.53 N311 1975.0 1.06 1.49 1.28 1.18	1950.6 0.54 0.63 0.53 0.53 0.57 0.52 0.52 N321 1924.4 0.84 0.84 0.891 0.88	1900.3 0.53 0.54 0.52 0.49 0.57 0.47 N331 1975.7 0.87 1.05 1.19	1939.9 0.57 0.59 0.55 0.60 0.59 0.52 N341 1926.0 0.59 0.70	1951.1 0.54 0.56 0.56 0.53 0.53 0.78 0.57 0.54 N351 1976.3 1.20 1.24 1.30	1899.8 0.49 0.58 0.51 0.51 0.51 0.50 N361 1975.4 0.64 0.64 0.63 0.57	1950.4 0.57 0.73 0.59 0.55 0.65 0.53 N371 1954.6 0.57 0.58	1939.2 0.52 0.62 0.51 0.49 0.43 0.51 0.55 0.47 N381 1925.3 0.57 0.64 0.60 0.61	1950.5 0.53 0.54 0.49 0.51 0.52 0.67	1900.4 0.49 0.61 0.50 0.51 0.52 0.53	1950.3 0.53 0.60 0.55 0.52 0.58 0.62 0.57	1901.2 0.51 0.56 0.52 0.49 0.52 0.55
1949.8 0.56 0.58 0.56 0.53 0.62 0.61 0.53 N311 1975.0 1.06 1.49 1.28 1.18 1.26	1950.6 0.54 0.63 0.58 0.53 0.53 0.57 0.52 0.52 N321 1924.4 0.85 0.91 0.88 0.82	1900.3 0.53 0.54 0.52 0.52 0.49 0.57 0.47 N331 1975.7 0.87 1.08 1.05 1.19 1.18	1939.9 0.57 0.59 0.55 0.65 0.55 0.60 0.59 0.52 N341 1926.0 0.59 0.71 0.51	1951.1 0.54 0.56 0.53 0.53 0.57 0.54 N351 1976.3 1.20 1.24 1.35 1.23	1899.8 0.49 0.58 0.55 0.51 0.51 0.54 0.50 N361 1975.4 0.64 0.61 0.63 0.57	1950.4 0.57 0.73 0.58 0.51 0.59 0.55 0.65 0.53 N371 1954.6 0.57 0.58 0.66	1939.2 0.52 0.62 0.51 0.49 0.43 0.51 0.55 0.47 N381 1925.3 0.57 0.64 0.60 0.61 0.48	1950.5 0.53 0.54 0.49 0.51 0.52 0.67	1900.4 0.49 0.61 0.50 0.51 0.52 0.53	1950.3 0.53 0.60 0.55 0.52 0.58 0.62 0.57	1901.2 0.51 0.56 0.52 0.49 0.52 0.55
1949.8 0.56 0.58 0.56 0.53 0.62 0.61 0.53 N311 1975.0 1.06 1.49 1.28 1.18 1.26 1.23	1950.6 0.54 0.63 0.58 0.53 0.57 0.52 0.52 N321 1924.4 0.84 0.85 0.91 0.88 0.82 0.89	1900.3 0.53 0.54 0.52 0.52 0.59 0.57 0.47 N331 1975.7 0.87 1.08 1.05 1.19 1.18	1939.9 0.57 0.59 0.58 0.55 0.60 0.59 0.52 N341 1926.0 0.59 0.70 0.71 0.71	1951.1 0.54 0.56 0.56 0.53 0.78 0.57 0.54 N351 1976.3 1.20 1.30 1.30 1.23 1.23 1.23	1899.8 0.49 0.58 0.55 0.51 0.51 0.54 0.50 N361 1975.4 0.64 0.63 0.57 0.54 0.74	1950.4 0.57 0.73 0.58 0.51 0.59 0.55 0.53 N371 1954.6 0.57 0.58 0.66 0.57	1939.2 0.52 0.62 0.51 0.49 0.43 0.51 0.55 0.47 N381 1925.3 0.57 0.60 0.61 0.48 0.62	1950.5 0.53 0.54 0.49 0.51 0.52 0.67	1900.4 0.49 0.61 0.50 0.51 0.52 0.53	1950.3 0.53 0.60 0.55 0.52 0.58 0.62 0.57	1901.2 0.51 0.56 0.52 0.49 0.52 0.55
1949.8 0.56 0.58 0.56 0.53 0.62 0.61 0.53 N311 1975.0 1.06 1.49 1.28 1.18 1.26	1950.6 0.54 0.63 0.58 0.53 0.53 0.57 0.52 0.52 N321 1924.4 0.85 0.91 0.88 0.82	1900.3 0.53 0.54 0.52 0.52 0.49 0.57 0.47 N331 1975.7 0.87 1.08 1.05 1.19 1.18	1939.9 0.57 0.59 0.55 0.65 0.55 0.60 0.59 0.52 N341 1926.0 0.59 0.71 0.51	1951.1 0.54 0.56 0.53 0.53 0.57 0.54 N351 1976.3 1.20 1.24 1.35 1.23	1899.8 0.49 0.58 0.55 0.51 0.51 0.54 0.50 N361 1975.4 0.64 0.61 0.63 0.57	1950.4 0.57 0.73 0.58 0.51 0.59 0.55 0.65 0.53 N371 1954.6 0.57 0.58 0.66	1939.2 0.52 0.62 0.51 0.49 0.43 0.51 0.55 0.47 N381 1925.3 0.57 0.64 0.60 0.61 0.48	1950.5 0.53 0.54 0.49 0.51 0.52 0.67	1900.4 0.49 0.61 0.50 0.51 0.52 0.53	1950.3 0.53 0.60 0.55 0.52 0.58 0.62 0.57	1901.2 0.51 0.56 0.52 0.49 0.52 0.55

PHENIX

Shutdown 2010 - Other

muTrg, Itaru et al.

- south S3 O7 threshold problem
- north 53 O1 high noise (not reachable); 53 O4 bad ADTX board

South arm disconnect/reconnect (fibers, power)

- lower glink/clink crates on top of eyebrow (to fit thru big IR door)
- move out/in; reconnect & test

Anode terminations

- station-1 gap-1 both arms recap & terminate?
- station-2 all gaps, where we can reach w/o scaffolding (2 lower octants/arm) terminate (under dry-air manifolds)?

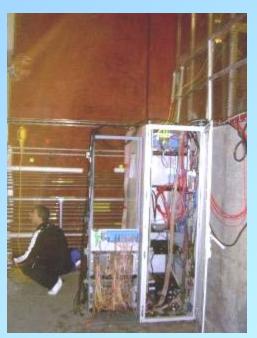




PH ENIX









4/29/2010





New Beampipe Pre-Shutdown Prep

<u>Task</u>	<u>Due By</u>	<u>NOTES</u>
Bp and sections acceptance tests and inspection	Done	
Send BP transitions & spool to SAES for NEG Coating	4/30/2010	In Progress
Send beampipe to CERN for NEG Coating	5/15/2010?	
Fabricate beampipe supports	5/31/2010	In Progress
Design BP installation and survey tools/fixtures	5/31/2010	In Design queue
Memorial Day: Lab Holiday	5/31/2010	Enjoy the weekend
Choreograph removal of old beampipe and installation of new (final)	6/1/2010	In Progress
Test and inspect beampipe supports	6/15/2010	
Beampipe Installation Review (Final)	6/15/2010	
Receive bp back at BNL	6/30/2010?	May be delayed
Receive BP transitions & spool back at BNL from SAES after NEG Coating	6/30/2010	
Final acceptance and inspection bp and sections	7/15/2010	
Fabricate BP installation and survey tools/fixtures	7/15/2010	

VTX Subassembly, Top Assembly, Installation and Integration Prep

Task	Due By	NOTES
Design assembly workspace, tools and fixtures	Done	PHENIX re-design
Fabricate/prepare/procure assembly workspace, tools and fixtures	5/15/2010	In Progress
Thermal Design of sensor & BigWheel electronics cooling	Done	
Mechanical re-design of BigWheels	5/15/2010	In Progress
Specify Cooling sensor & BigWheel system components	5/15/2010	In Progress
Conceptual and mechanical design of installation, structural support and detector alignment	Done	
VTX Installation Plan	5/31/2010	
VTX Survey Plan	5/31/2010	Consult w/ F. Karl
Installation Review (ESRC)	5/31/2010	
Beampipe & VTX Installation Work Permits	5/31/2010	
Design fixtures, techniques and mockups for installation, alignment and survey	5/31/2010	
Memorial Day: Lab Holiday	5/31/2010	Enjoy the weekend
Specify components, assembly tools and fixtures, electronics for racks, cables, cable management etc.	6/15/2010	
BigWheel Fabrication & Procurement	7/15/2010	
Receive, inspect, test, rework and qualify components, assembly tools and fixtures, electronics for racks, cables, cable management etc.	7/15/2010	





VTX Subassembly, Top Assembly, Installation and Integration Prep (cont'd)

Task	<u>Due By</u>	NOTES
Fabricate/procure detail components for installation, support and alignment, including station 1 work platforms	6/30/2010	
Fabricate fixtures, techniques and mockups for installation, alignment and survey	6/30/2010	
4 th of July Holiday	7/5-7/6/2010	Enjoy the long weekend
Receive & inspect components (installation, support, alignment & Survey)	7/15/2010	
Assemble Hemisperes	7/15/2010	Probably will be delayed to the end of Aug
Mock installations/alignments, bench tests	7/31/2010	Probably will be delayed to the end of Aug
Cooling system procurement	8/31/2010	↓



RPC3 Pre Shutdown Prep

<u>Task</u>	<u>Due By</u>	NOTES
Prepare Installation Plan	5/31/2010	In Progress
Design RPC Absorbers	5/31/2010	,
Design Absorber Installation fixtures & tools	5/31/2010	
Fabricate PHENIX parts	5/31/2010	In Progress
Receive and inspect CS fabricated parts	5/31/2010	In Progress
Memorial Day: Lab Holiday	5/31/2010	Enjoy the weekend
Prepare work permit for installation	6/1/2010	
Receive purchased parts	6/4/2010	
Assemble, test and burn-in 1/2 octants	6/18/2010	
Pre-Assemble base components at PHENIX	6/18/2010	,
Fabricate Absorber Details	7/31/2010	RPC Group and PHENIX
Fabricate/procure Absorber Installation fixtures & tools	7/31/2010	



Start of Shutdown

<u>Task</u>	<u>Due By</u>	NOTES
DAQ Tests	6/4/2010	
Purge Gas From Detectors	6/8/2010	
EOR Party	6/1/2010	
End of Run 10	6/22/2010	
Remove BP Collar	6/22/2010	As early as possible after 6/1
Move MMS south	6/22/2010	As early as possible after 6/1
Prep EC for move to EC	6/22/2010	As early as possible after 6/1
Close North and South BP gate valves and lock closed for until new BP is installed	6/24/2010	
Open and disassemble wall	6/24/2010	
Remove EC ladder and fold platforms	6/30/2010	
Move EC to AH	6/28/2010	
Install cart	6/28/2010	
Move Collars to AH	6/30/2010	
Install decking	6/30/2010	
Install Manlift	6/30/2010	
Remove RPC2 Prototype, support brackets, cabling & Piping	6/29/2010	
Remove MMS east vertical lampshade	6/30/2010	



Beampipe De-installation

<u>Task</u>	<u>Due By</u>	<u>NOTES</u>
4th of July Holiday & Floating Holiday	7/5&7/6/2010	Enjoy
Remove HBD's and HBD cables Remove RXNP's and cables	7/9/2010	Concurrent with Start of shutdown tasks
Remove MPC's	7/16/2010	Concurrent w MPC's
Remove BBC's	7/16/2010	Concurrent with BBC's
Position MMS for Vacuum break	7/19/2010	
Install Temporary supports for old BP	7/19/2010	Supports TBD
Break vacuum on north side of MMS	7/19/2010	
Remove south bellows	7/19/2010	
Move MMS north, remove spool and south3-5 transition	7/20/2010	
Move the MMS south & Prep MMS for move to AH	7/23/2010	Begin MMS prep with shutdown start
Move CM south, remove north bellows	7/23/2010	
Move old Be bp south into MMS and move CM north	7/23/2010	
Move MMS to shutdown park position	7/23/2010	
Remove old Be BP	7/23/2010	
Move CM south and east	7/23/2010	
Remove north 3 to 5 transition	7/23/2010	*

New Beampipe installation

		110==0
<u>Task</u>	<u>Due By</u>	<u>NOTES</u>
Prepare north 3 to 5 transition for installation with roller guides, bakeout wrap and thermocouples	7/23/2010	CAD
Prep CM North and South for Absorber and install	8/13/2010	(Install if absorber rec'd)
Install north 3 to 5 transition in MMN	8/13/2010	
Install new Be pipe in CM on temp supports	8/17/2010	
Move CM back to beamline & connect new Be BP to 1-5/8 transition and bellows and north 3-5 transition	8/17/2010	
Move CM to run position	8/18/2010	
Prealign Be/Alum pipe with transitions attached on new BP supports At MPC north, BBC south and north nosecone	8/19/2010	
Prepare south 3 to 5 transition for installation with roller guides, bakeout wrap and thermocouples	8/19/2010	
Install south 3 to 5 transition, bellows and 1-5/8 to 3" transition in MMS	8/20/2010	
Move MMS back into IR on beamline	8/20/2010	
Move CM south, slide Transition assembly in MMS north and connect to new Be BP	8/20/2010	
Move CM and MMS north and install south spool. Leak check. Move MMS South	8/27/2010	
Install temporary bakeout supports	8/27/2010	
Install bakeout blankets and monitoring	8/27/2010	
Labor Day Lab Holiday	9/6/2010	Enjoy
Bakeout New BP and activate NEG coating	9/10/2010	How Long?
Leak check BP	9/10/2010	
Re-install MPC's including Cables and services Re-install BBC's including Cables and services	9/24/2010	Concurrent efforts
Move CM to run position	9/24/2010	
Final alignment of new BP	10/1/2010	



Task	<u>Due By</u>	NOTES
Install and align VTX rail attachment hardware to CM	10/1/2010	Install during bakeout?
Install and align VTX rails parallel to beam line	10/8/2010	
Install and align VTX rails perpendicular to beam line	10/8/2010	
Install and align west half detector module	10/15/2010	
Install and align east half detector module	10/22/2010	
Install mechanical support structures for VTX services and electronics	10/29/2010	Concurrent Effort
Install Cable trays	10/29/2010	
Install racks	10/29/2010	
Install chiller	10/29/2010	
Install cables, plumbing	10/29/2010	
Connect cables and plumbing	10/29/2010	V
Thanksgiving and Black Friday Holiday	11/25 & 11/26/2010	Enjoy
Test and commission	12/1/2010	•

RPC3 South Prep, Early Shutdown

<u>Task</u>	Due By	NOTE
Remove wiring, walkovers, FCAL and scintillator hardware that would otherwise interfere with installation	7/2/2010	PHEN
4th of July Holiday	7/5 & 7/6/2010	Enjoy
Remove/relocate shielding	7/9/2010	Rigger
Remove crystal palace & vapor barrier	7/16/2010	CAD
Inspect Gap 5 south for legacy items/problems	7/23/2010	
Address legacy items/problems as convenient prior to shutdown start	7/30/2010	
Install lighting & relocate sensors as necessary	8/6/2010	Electrrici
Temporarily relocate, re-position or otherwise address interfering piping, cable trays	8/20/2010	PHENIX (w. Help?), Elec
Remove RPC prototype	8/20/2010	
Pre-survey $\frac{1}{2}$ octant reference points	8/27/2010	Surveyo
Drill and tap $\frac{1}{2}$ octant and rotating piston mounting points	8/31/2010	
Build/install access and work platforms for walk on top of MuID steel including stairs from MMS eyebrow	8/31/2010	Carpente
Final cleaning and prep of gap 5 for grouting	9/3/2010	
Labor Day Lab Holiday	9/6/2010	Enjoy
Pre-installation orientation meeting with masons and riggers	9/7/2010	
Position lifting equipment in tunnel	9/10/2010	Rigger
Move east and west base structures into south tunnel and assemble on east and west sides of pedestal respectively. Include translation control fixtures	9/10/2010	Riggers & Pl

RPC3 South Installation



<u>Task</u>	Due By	<u>NOTES</u>
Install and align base structures on east and west sides of gap 5	9/14/2010	
Prepare for grouting	9/15/2010	>
Install grout	9/16/2010	
Install pitch control rails on pedestal and gap 5 east & west inner walls	9/17/2010	
Install upper suspension support hardware	9/17/2010	
Install $\frac{1}{2}$ octants, 2 at a time in accordance with work plan/work permit		•
Transport ½ octants 2 at a time from RPC factory to south tunnel on angled transport carts		
Transfer ½ octants from angled transport carts one at a time to temporary free standing and re-orienting roller fixture (fore and aft wheels and axel)		
Lift (and re-orient if appropriate) $\frac{1}{2}$ octant and install into base structure, previously installed $\frac{1}{2}$ octant or upper suspension hardawre as appropriate per work plan		
Pre-align each ½ octant as installed		
Perform electrical integrity tests before proceeding to next pair of $\frac{1}{2}$ octants		
After all ½ octants are in place and tested, join east and west halves of full south station 3 detector and align to survey markers	10/15/2010	Riggers & PHENIX Techs





RPC3 South Integration

Task	<u>Due By</u>	<u>NOTES</u>
Final survey	10/22/2010	Surveyors
Install new cable trays and piping supports	10/29/2010	Electrician, earlier if possible
Re-install MuID wiring and pipes	11/5/2010	
Install south thermal/vapor barrier	11/19/2010	CAD
Thanksgiving and Black Friday Holiday	11/25 & 11/26/2010	Enjoy
Re-install MuID gas rack	11/30/2010	
Commissioning and final acceptance tests	11/30/2010	RPC Group
Install RPC3 HV, LV and signal wiring and gas lines	11/30/2010	
Install RPC3 South gas distribution rack	11/30/2010	
Re-install shielding	11/30/2010	Riggers
Install RPC3 South environmental controls (heaters and thermostats)	11/30/2010	Electrician



Shutdown 2010 Other Work

Task support	<u>Due By</u>	NOTES
RPC3 North unfinished business	7/15/2010	Electronics and cabling, grounding issues, environmental controls
MuTrigger FEE unfinished business	7/15/2010	MMS cable trays,
RHIC Summer Sunday Tour	8/15/2010	During bakeout
DC/PC maintenance/repair	11/15/2010	FEM and wire troubleshooting and repairs, major efforts will require longer shutdon
Thanksgiving and Black Friday Holiday	11/25 & 11/26/2010	Enjoy
PHENIX Survey Review	11/30/2010	
Procedure Updating	11/30/2010	
FVTX support	11/30/2010	As required
FoCal	11/30/2010	As required
Gas Mixing House maintenance & Repair	11/30/2010	
PHENIX Infrastructure maintenance, repair, upgrade	11/30/2010	TBD
Gas Pad expansion completion (grouting)	11/30/2010	
Gas Pad: new gas storage details	11/30/2010	
Gas Pad: New Ar Dewar	11/30/2010	
Gas Pad services new dewar support, maintenance and improvements	11/30/2010	





Shutdown 2010 Other Work (Cont'd)

Task support	<u>Due By</u>	<u>NOTES</u>
AH Flood prevention improvements	11/30/2010	
IR Bridge Electrical service upgrade	11/30/2010	Support for 4 full racks in 2010, 4 more (8 total) in future
RPC Factory Support	11/30/2010	
Rack Room upgrade	11/30/2010	TBD
PHENIX Design Documentation	11/30/2010	
CM Crane	11/30/2010	
CM alignment stops	11/30/2010	TBD
Gas System maintenance, repair, upgrade	11/30/2010	
Other subsystem maintenance, repair/upgrade	11/30/2010	TBD
Future upgrade support	11/30/2010	RPC1, RPC absorbers, FVTX, FOcal, other TBD
Prepare for Run 11	11/30/2010	Normal end of shutdown tasks, typically taking 3-4 weeks
Run 11 Start	12/1/2010	
End of Shutdown Party	~12/3/2010	\

PH ENIX

2009 Building Maintenance Issues

 Roof leaks in utility bathroom at northwest corner behind tech offices, over door between rack room and assembly hall and over door between control room and elect. ass'y room.



- General maintenance for Trailer Offices (in progress)
- Trailer Office Modifications planning in progress (new exterior siding?)
- New roof leaks in laser room and IR (southeast corner)

Flooding in AH/ Driveway heaving [Lake PHENIX]









PHENIX Procedure Review Current Status:

- 147 Procedures Identified
- 84 Made Inactive (not currently in use, will require revision to re- activate if and when necessary, available for reference purposes)
- 10 CAD procedures relevant to PHENIX, all are current and up-to-date.
 (CAD web access to these documents is not up to date)
- 42 PHENIX approved procedures.
 - 1 is currently under review
 - 41 are current and up-to-date
- 11 Proposed/Draft Procedures (never previously formalized)

Web retrieval of latest procedures now available from PHENIX Internal:

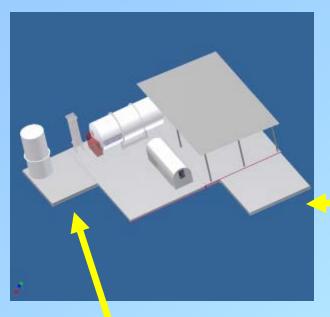
http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_procedures.htm

Nothing new to report this week.

TECHNICAL NUPPORT

2010

New Argon Dewar and Empty Gas Bottle Storage Area



Pad for Empty Gas Bottles

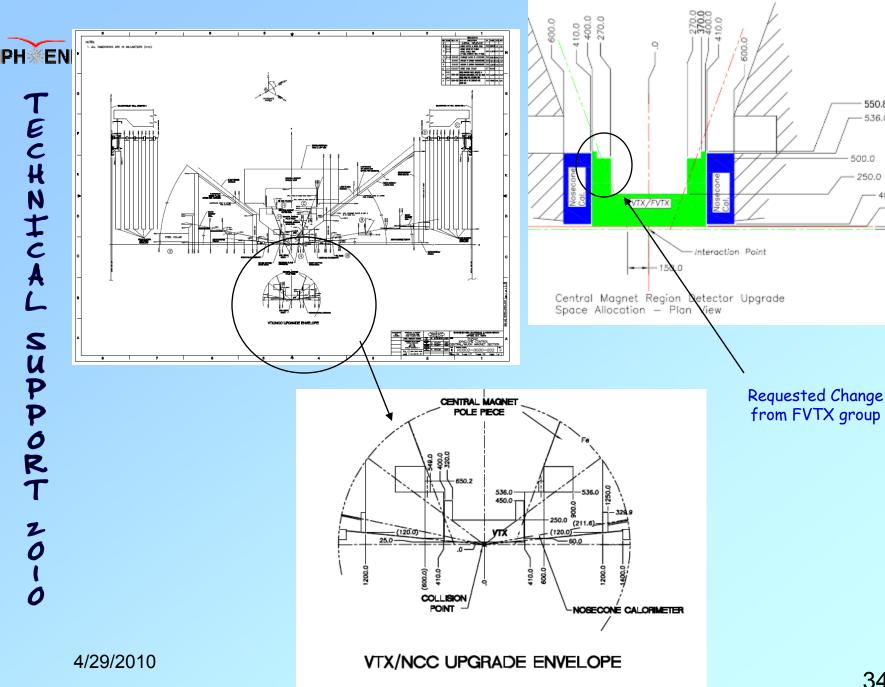


Pad for argon Dewar





PO for material to fill cracks is in progress. PO for Ar Dewar installation and rental is in progress



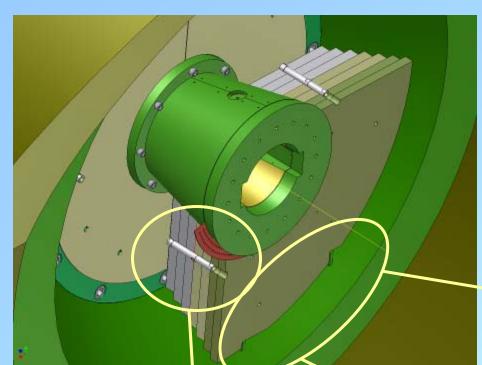
34

550.8 536.0

- 40.0

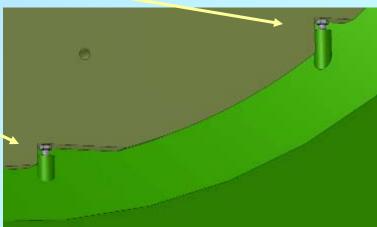
25.0

PH ENIX



RPC Absorber Final Design

- Welded & tapped vertical support bossess
- · 3 stage positioning rod



4/29/2010



Safety, Security, etc.

1. Upcoming ISO 18001 & 14001 Registration Audit.

This year, the audit starts the week of May 3.

If you didn't make it to the pre-audit FORUM then you are too late (last one this morning) ESSH&Q Policy

- Environment: We protect the environment, conserve resources, and prevent pollution.
- Safety: We maintain a safe workplace and we plan our work and perform it safely. We take responsibility for the safety of ourselves, coworkers, and guests.
- **Security:** We protect people, property, information, computing systems, and facilities.
- Health: We protect human health within our boundaries and in the surrounding community.
- Compliance: We achieve and maintain compliance with applicable ESSH requirements.
- **Community:** We maintain open, proactive and constructive relationships with our employees, neighbors, regulators, DOE, and our other stakeholders.
- · Continual Improvement: We continually improve ESSH performance.

Also: we plan all of our work: informally every day first thing in the morning, weekly at this meeting. Worker planned work is planned work that does not require formal work planning documentation. If risk to personnel, equipment or operations is not low, if complexity is not low and/or if coordination is not low, then formal work planning and documenation is necessary.

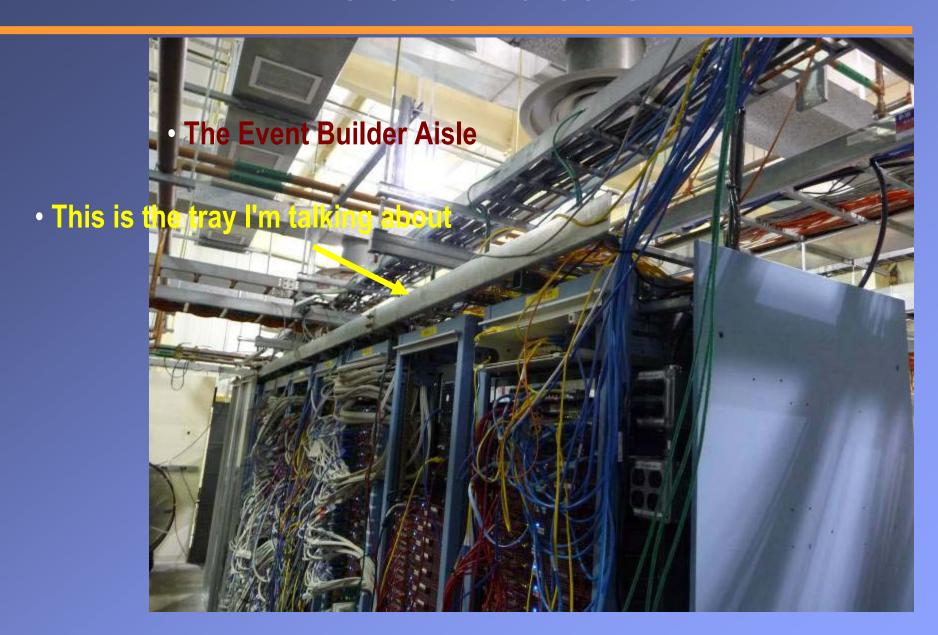
Each of us is responsible for our own and each others safety nad environmental compliance.

2. Email PHISHING- (note about 50 MB limit in email storage was bogus)

Rack Room Gutter Cleaning

- Soon we are replacing the main Event Builder Switch with our new flagship switch.
- Means a lot of cable pulling in the "Event Builder Aisle"
- In particular the cable tray on top of the rack has a lot of sediments which would benefit from a start from scratch

This is how it looks



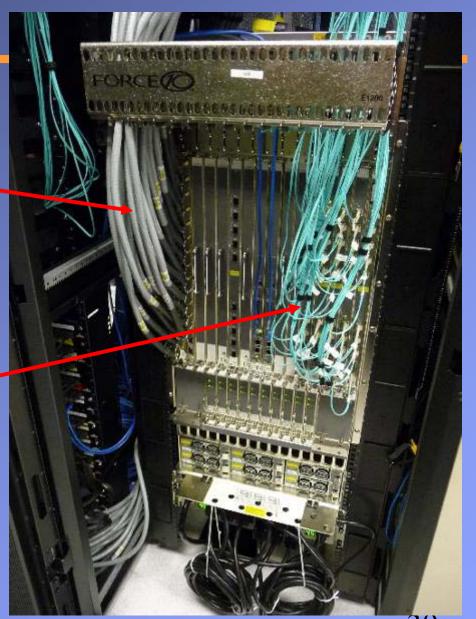
The future Switch

Standard Gigabit ports

"MRJ-20" cable bundles with 6 Gig ports each go to patch panels (or directly to the machines) May make our cable distribution easier, bring a few bundles to the racks

10GbE ports

Standard fibers with "SFP+" connectors



39

The Task

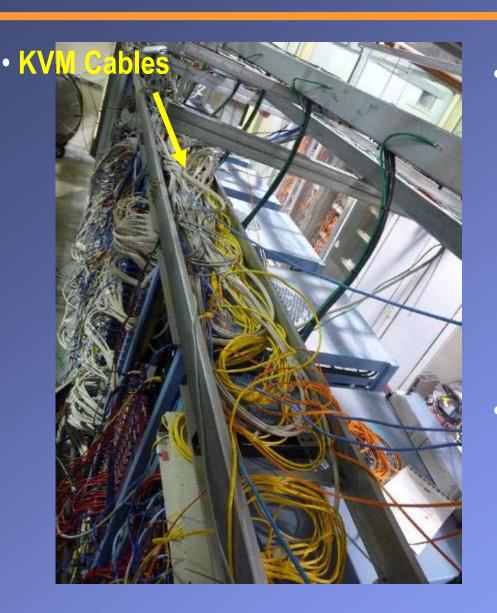
- We'll rig up a few alternate connections to the first two racks to keep them alive (I do that)
- We disconnect all network cables (about 150 or so) and pull them out, roll them up without tangling them up, remove labels
- More than 100 are local to the rack row, about 50 go somewhere else
- There are fibers mixed in, they have to go out first
- Not by count but by bulk the KVM cables are the biggest, they stay, but it looks like many of them are on top
- From above this doesn't look like much, but on the ground it looks like a big deal

 40

Timeline

- When our run ends, we can get going (early June)
- Find some room to coil up the pulled cables
- Devise a good labelling scheme for the future
- Then think about putting the new stuff in
- 2 weeks? Reasonable?

Tray from above and below





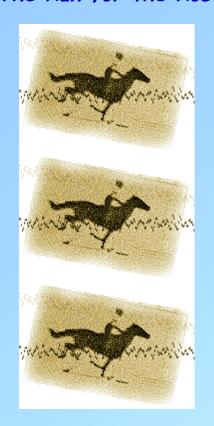
Lots of ad-hoc cabling

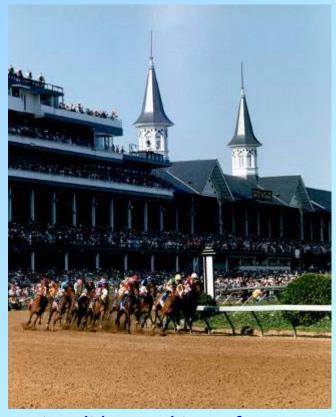




The Run for the Roses

Where To Find PHENIX Engineering Info





Derby Day
This Saturday
May 1
The Favorite:
Lookin' at Lucky
(3-1)

Other contenders:
Sidney's Candy (5-1)
Ice Box (10-1)
Devil May Care (10-1)
Awesome Act (10-1)
Dublin (12-1)

Long Shots: Homeboykris (50-1) Backtalk (50-1) Dean's Kitten (50-1)

Links for the weekly planning meeting slides, archives of past meeting slides, long term planning, pictures, videos and other technical info can be found on the PHENIX Engineering web site:

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

